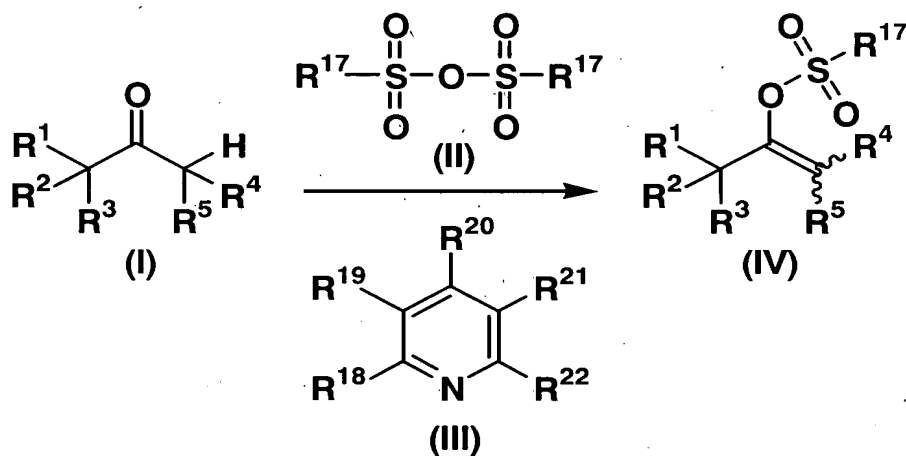


ABSTRACT



(wherein R¹, R², R³, R⁴ and R⁵ may be the same or different and each represents a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted lower alkoxy, or the like; R¹⁷ represents trifluoromethyl or the like; R¹⁸, R¹⁹, R²⁰, R²¹ and R²² may be the same or different and each represents a hydrogen atom, substituted or unsubstituted lower alkyl, or the like).

An easy and simple process for producing a vinyl perfluoroalkanesulfonate derivative represented by general formula (IV) which is a useful intermediate in synthesis of medicines, natural products, or the like, at a low cost, is provided. The process is characterized by, for example, reacting a carbonyl compound represented by general formula (I) described above with a perfluoroalkanesulfonic anhydride represented by general formula (II) described above in the

presence of a pyridine derivative represented by general formula (III) described above in an amount of 0.1 to 1.0 equivalent to the perfluoroalkanesulfonic anhydride.